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Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

025537
WORLD COM, INC
TECHNOLOGY LAW DEPARTMENT
1133 19TH ST, NW
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TM02/1220

APPLICATION NO.	FILING DATE.	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/159,695	09/24/98	107	JAROENCHONWANT, 88	2152 12/20/00
First Named Applicant	BARRY, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION
AN INTEGRATED SYSTEM FOR PROVIDING COMMUNICATIONS NETWORK MANAGEMENT SERVICES AND INTERACTIVE GENERATING INVOICE DOCUMENTS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
680	COS-97-087	709-223.000	W81 UTILITY	NO	\$1240.00	03/20/01

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability

Application No.
09/159,695

Applicant(s)
Barry et al.

Examiner
Bunjob Jaroenchonwanit

Group Art Unit
2152



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to 12/6/2000

☒ The allowed claim(s) is/are 1-43, 45-97, and 99-109

☐ The drawings filed on _____ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☒ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 7.

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 4 and 6

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

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PRIMARY EXAMINER

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1. An Examiner's Amendment to the record appears below. Should the changes or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

2. Pursuant to M.P.E.P. §606.01, this title has respectfully been changed to read as follows:

-- AN INTEGRATED SYSTEM FOR PROVIDING COMMUNICATIONS
NETWORK MANAGEMENT SERVICES AND INTERACTIVE GENERATING INVOICE
DOCUMENTS --

3. The following is an Examiner's Statement of Reasons for Allowance:

The prior art of the record, (Ginter et al. US. Patent 5,892,900) teaches a systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a

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virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure, protected environments at each node.

The prior art of the record, (Gish US. Patent 5,892,900) teaches an enterprise computing manager provides coordination between application programs by having each server program controlling the client executable program. In this manner, each client program communicates from the client to the server using a predefined protocol. A distributed computer system is disclosed with software for a client computer, a server computer and a network for connecting the client computer to the server computer which utilize an execution framework code segment configured to couple the server computer and the client computer via the network, by a plurality of client computer code segments resident on the server, each for transmission over the network to a client computer to initiate coupling; and a plurality of server computer code segments resident on the server which execute on the server in response to initiation of coupling via the network with a particular client utilizing the transmitted client computer code segment for communicating via a particular communication protocol.

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The prior art of the record, (Roger et al. US. Patent 5,892,900) teaches a World Wide Web browser makes requests to web servers on a network which receive and fulfill requests as an agent of the browser client, organizing distributed sub-agents as distributed integration solution (DIS) servers on an intranet network supporting the web server which also has an access agent servers accessible over the Internet. DIS servers execute selected capsule objects which perform programmable functions upon a received command from a web server control program agent for retrieving, from a database gateway coupled to a plurality of database resources upon a single request made from a Hypertext document, requested information from multiple data bases located at different types of databases geographically dispersed, performing calculations, formatting, and other services prior to reporting to the web browser or to other locations, in a selected format, as in a display, fax, printer, and to customer installations or to TV video subscribers, with account tracking. Intrepretive language based programs or applets are downloaded from the web server to the client and executed on the client machine for online analytical processing from a web browser. The Web client accesses a web server and downloads HTML and a Java applet(s). This enables use of multiple databases of different types using a single request from a client for Online Analytical Processing (OLAP) from a web browser.

Prior arts of the record teach the invention substantially, but they fail to teach or suggest individually or in combination that an integrated system for providing a plurality

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of communications network management services and products to a customer over the public Internet, said network management services and products accessible from a client workstation employing a client browser associated with said customer and receiving web based communications from a communications service enterprise, said system comprising:

Secure web servers for managing one or more secure client sessions over the Internet in response to customer entry into said system, each said one or more secure web servers supporting secure communications with said client workstation;

A plurality of one or more client applications integrated within a web-based GUI and downloaded from the one or more secure web servers according to predetermined customer entitlement, each of said one or more client applications for providing a customer interface integrated within said web based GUI and enabling interactive communications with one or more communications network management resources provided by said communications service enterprise via the one or more secure web servers; and,

Each of said one or-more secure web servers supporting communication of request messages entered by said customer via said customer interface to said one or more network management resources providing a desired communications network management function;

wherein one or more remote application resource processes said request messages and provides responses to said one or more secure web servers for secure

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uploading to said client browser and display via said integrated customer interface, said one or more network management resources including a system for generating invoice documents relating to communications management services provided by a communications -service enterprise, comprising:

A client application downloaded from the one or more secure web servers for enabling selection and presentation of invoice documents in accordance with customer entitlement, said client application further generating an invoice request message in response to customer selection of a specific invoice option and forwarding the invoice request message via the secure web server, and

an invoice application server for maintaining a database of image files associated with invoice documents from the application service and receiving the invoice request message, said invoice application server accessing the database in response to a request message, generating a response message including a customer selected invoice document and downloading said response message to said client workstation, whereby said customer selected invoice document is formatted in a manner suitable for display via said integrated client interface, as set forth in independent claims 1. Claims 2-43, 45-97 AND 99-109 are allowed because of the combination of other limitations and the limitation set listed above.

4. Drawings objected to by the Draftsperson under 37 CFR 1.84 or 1.152, correction noted on PTO-948 is required. Examiner respectfully proposes the following

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corrections to Drawings according to 37 CFR 1.81, 1.83-1.85 and MPEP § 608.02, wherein for proper understanding of the invention drawings should be illustrated in the form of labeled representation (e.g. avoid the use of acronyms and label each feature accordingly).

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (703) 305-9673. The examiner can normally be reached on all days of the week from 8:00 A.M. to 4:00 P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark H. Rinehart, can be reached on (703)305-4815. The fax phone number for this Group is (703) 305-9731.

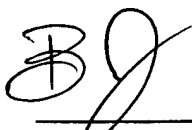
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

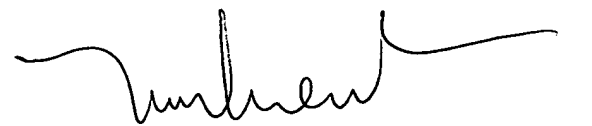
Commissioner of Patents and Trademarks Washington, D.C. 20231 or faxed to: (703) 308-9051, (for formal communications intended for entry) Or:

(703) 308-5359 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park 11, 2021 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).



Bunjob Jaroenchonwanit
Patent Examiner
Bj/December 18, 2000



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PRIMARY EXAMINER